

# SAFETY DATA SHEET



PlasticWeld™ Syringe - Part A

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : PlasticWeld™ Syringe - Part A  
**UFI** : 1UF-Y41R-N002-SV37  
**Product code** : 50132  
**Product description** : Sealants and adhesives  
**Product type** : Liquid.  
**Other means of identification** : 50112, 50114, 50114H, 50132 (PlasticWeld Part A) 50240, 50240H, 8212 (ClearWeld™ Syringe, Part A)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Not applicable.

#### Uses advised against

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

JRP Distribution Ltd.  
Unit 10A, Business Park, City Fields Way  
Tangmere, PO20 2FT, United Kingdom  
info@jbweld.com  
Tel: +44 1903 750355  
Website: www.jbweld.com.eu

**e-mail address of person responsible for this SDS** : info@jbweld.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : International: +1 (352) 323-3500 (INFOTRAC® INTL)  
National Emergency Poison Centre (24hrs) : 111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : 98 percent of the mixture consists of component(s) of unknown acute oral toxicity  
98 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
98 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

**Ingredients of unknown ecotoxicity** : Contains 98% of components with unknown hazards to the aquatic environment

See Section 11 for more detailed information on health effects and symptoms.

## SECTION 2: Hazards identification

### 2.2 Label elements

|  |  |
|--|--|
| Signal word  | : No signal word.  |
| Hazard statements  | : No known significant effects or critical hazards.  |
| <u>Precautionary statements</u>  |  |
| General  | : Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand. |
| Prevention   | : Not applicable.  |
| Response   | : Not applicable.  |
| Storage  | : Not applicable.  |
| Disposal   | : Not applicable.  |
| Supplemental label elements  | : Not applicable.  |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable.  |
| <u>Special packaging requirements</u>  |  |
| Containers to be fitted with child-resistant fastenings  | : Not applicable.  |
| Tactile warning of danger  | : Not applicable.  |

### 2.3 Other hazards

|   |   |
|---|---|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification   | : None known.   |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                            |  |
|----------------------------|--|
| Eye contact                | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| Inhalation                 | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| Skin contact               | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| Ingestion                  | : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training.   |

## SECTION 4: First aid measures

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

|              |                     |
|--------------|---------------------|
| Eye contact  | : No specific data. |
| Inhalation   | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion    | : No specific data. |

### 4.3 Indication of any immediate medical attention and special treatment needed

|                     |   |
|---------------------|---|
| Notes to physician  | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment.  |

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known.   |

### 5.2 Special hazards arising from the substance or mixture

|                                       |  |
|---------------------------------------|--|
| Hazards from the substance or mixture | : In a fire or if heated, a pressure increase will occur and the container may burst.              |
| Hazardous combustion products         | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide |

### 5.3 Advice for firefighters

|  |   |
|--|---|
| Special protective actions for fire-fighters   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

|                             |   |
|-----------------------------|---|
| For non-emergency personnel | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| For emergency responders    | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |

### 6.2 Environmental precautions

|   |
|---|
| : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|---|

### 6.3 Methods and material for containment and cleaning up

## SECTION 6: Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Professional uses

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

#### Biological exposure indices

No exposure indices known.

- Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following:  
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance

## SECTION 8: Exposure controls/personal protection

documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

No DNELs/DMELs available.

### PNECs

No PNECs available

## 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

|  |                   |
|--|-------------------|
| <b>Physical state</b>                          | : Liquid.         |
| <b>Colour</b>                                  | : Clear.          |
| <b>Odour</b>                                   | : Mild.           |
| <b>Odour threshold</b>                         | : Not available.  |
| <b>Melting point/freezing point</b>            | : Not available.  |
| <b>Initial boiling point and boiling range</b> | : >100°C (>212°F) |
| <b>Flammability</b>                            | : Not available.  |

SECTION 9: Physical and chemical properties

**Lower and upper explosion limit** : Not available.

**Flash point** : Closed cup: >93.3°C (>199.9°F)

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**pH** : Not available.

**Viscosity** : Not available.

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/ water** : Not applicable.

**Vapour pressure** :

| Ingredient name                               | Vapour Pressure at 20°C |          |        | Vapour pressure at 50°C |     |        |
|---|-------------------------|----------|--------|-------------------------|-----|--------|
|   | mm Hg                   | kPa      | Method | mm Hg                   | kPa | Method |
| p-tert-butylphenyl 1-(2,3-epoxy) propyl ether | 0.00019                 | 0.000025 |        |                         |     |        |

**Relative density** : 1.1 to 1.2

**Vapour density** : Not available.

**Particle characteristics**

**Median particle size** : Not applicable.

9.2.1 Information with regard to physical hazard classes

**Explosive properties** : Not available.

**Oxidising properties** : Not available.

9.2.2 Other safety characteristics

**Miscible with water** : No.

SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : No specific data.

**10.5 Incompatible materials** : No specific data.

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity**

**Conclusion/Summary** : Not available.

**Acute toxicity estimates**

N/A

**Irritation/Corrosion**

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

### Sensitisation

**Conclusion/Summary** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.



SECTION 11: Toxicological information

Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.



SECTION 13: Disposal considerations

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID        | ADN            | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number or ID number     | Not available. | Not available. | Not available. | Not available. |
| 14.2 UN proper shipping name    | Not available. | Not available. | Not available. | Not available. |
| 14.3 Transport hazard class(es) | Not available. | Not available. | Not available. | Not available. |
| 14.4 Packing group              | -              | -              | -              | -              |
| 14.5 Environmental hazards      | No.            | No.            | No.            | No.            |

Additional information

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**14.6 Special precautions for user** : **Transport within user’s premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments** : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

Other EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

SECTION 15: Regulatory information

|  |  |
|--|--|
| Industrial emissions (integrated pollution prevention and control) - Water | : Not listed   |
| Explosive precursors   | : Not applicable.  |
| Ozone depleting substances (1005/2009/EU)                                  | Not listed.  |
| Prior Informed Consent (PIC) (649/2012/EU)                                 | Not listed.  |
| Persistent Organic Pollutants  | Not listed.  |
| Seveso Directive   | This product is not controlled under the Seveso Directive.                                   |
| International regulations  |  |
| Chemical Weapon Convention List Schedules I, II & III Chemicals            | Not listed.  |
| Montreal Protocol  | Not listed.  |
| Stockholm Convention on Persistent Organic Pollutants                      | Not listed.  |
| Rotterdam Convention on Prior Informed Consent (PIC)                       | Not listed.  |
| UNECE Aarhus Protocol on POPs and Heavy Metals                             | Not listed.  |
| Inventory list   |  |
| Australia  | : All components are listed or exempted.   |
| Canada   | : All components are listed or exempted.   |
| China  | : All components are listed or exempted.   |
| Eurasian Economic Union  | : Russian Federation inventory: All components are listed or exempted.                       |
| Japan  | : Japan inventory (CSCL): Not determined.<br>Japan inventory (ISHL): Not determined.         |
| New Zealand  | : All components are listed or exempted.   |
| Philippines  | : All components are listed or exempted.   |
| Republic of Korea  | : All components are listed or exempted.   |
| Taiwan   | : All components are listed or exempted.   |
| Thailand   | : Not determined.  |
| Turkey   | : Not determined.  |
| United States  | : All components are active or exempted.   |
| Viet Nam   | : All components are listed or exempted.   |
| 15.2 Chemical safety assessment  | : This product contains substances for which Chemical Safety Assessments are still required. |

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

### Full text of abbreviated H statements

Not applicable.

### Full text of classifications [CLP/GHS]

Not applicable.

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**Date of previous issue** : 4/3/2024  
**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# SAFETY DATA SHEET



PlasticWeld™ Syringe - Part B

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : PlasticWeld™ Syringe - Part B  
**UFI** : X1UF-Y41R-N002-SV37  
**Product code** : 50132  
**Product description** : Sealants and adhesives  
**Product type** : Liquid.  
**Other means of identification** : 50112, 50112H, 50114, 50114H, 50240, 50240H, 8212 (ClearWeld™ Part B); 50132 (PlasticWeld™ Part B)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Not applicable.

#### Uses advised against

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

JRP Distribution Ltd.  
Unit 10A, Business Park, City Fields Way  
Tangmere, PO20 2FT, United Kingdom  
info@jbweld.com  
Tel: +44 1903 750355  
Website: www.jbweld.com.eu

**e-mail address of person responsible for this SDS** : info@jbweld.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : International: +1 (352) 323-3500 (INFOTRAC® INTL)  
National Emergency Poison Centre (24hrs) : 111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Acute Tox. 4, H302  
Acute Tox. 4, H312  
Acute Tox. 4, H332  
Skin Corr. 1B, H314  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : 86 percent of the mixture consists of component(s) of unknown acute oral toxicity  
86 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
95 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

## SECTION 2: Hazards identification

**Ingredients of unknown ecotoxicity** : Contains 89% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Harmful if swallowed, in contact with skin or if inhaled.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Harmful to aquatic life with long lasting effects.

### Precautionary statements

**General** : Read carefully and follow all instructions. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapour. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Response** : IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### Special packaging requirements

**Containers to be fitted with child-resistant fastenings** : Yes, applicable.

**Tactile warning of danger** : Yes, applicable.

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

PlasticWeld™ Syringe - Part B

SECTION 2: Hazards identification

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name      | Identifiers   | %  | Classification  | Specific Conc. Limits, M-factors and ATEs   | Type    |
|------------------------------|---|----|---|---|---------|
| benzyl alcohol               | EC: 202-859-9<br>CAS: 100-51-6<br>Index: 603-057-00-5 | ≤5 | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411  | ATE [Oral] = 1230 mg/kg<br>ATE [Dermal] = 2000 mg/kg<br>ATE [Inhalation (dusts and mists)] = 1.5 mg/l | [1]     |
| 2-piperazin-1-ylethylamine   | EC: 205-411-0<br>CAS: 140-31-8<br>Index: 612-105-00-4 | ≤5 | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1B, H314<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412  | ATE [Oral] = 500 mg/kg<br>ATE [Dermal] = 1100 mg/kg   | [1]     |
| 3,6-diazaoctanethylenediamin | EC: 203-950-6<br>CAS: 112-24-3<br>Index: 612-059-00-5 | ≤5 | Acute Tox. 3, H311<br>Skin Corr. 1B, H314<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412  | ATE [Dermal] = 805 mg/kg  | [1]     |
| 3-aminopropyltriethoxysilane | EC: 213-048-4<br>CAS: 919-30-2<br>Index: 612-108-00-0 | ≤5 | Acute Tox. 4, H302<br>Skin Corr. 1B, H314<br>Eye Irrit. 2, H319   | ATE [Oral] = 1570 mg/kg   | [1]     |
| 2,2'-iminodiethylamine       | EC: 203-865-4<br>CAS: 111-40-0<br>Index: 612-058-00-X | <1 | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1B, H314<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412<br><b>See Section 16 for the full text of the H statements declared above.</b> | ATE [Oral] = 1080 mg/kg<br>ATE [Dermal] = 1090 mg/kg  | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.



## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

SECTION 6: Accidental release measures

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Professional uses

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values  |
|-------------------------|--|
| 2,2'-iminodiethylamine  | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.<br>TWA: 4.3 mg/m³ 8 hours.<br>TWA: 1 ppm 8 hours. |

Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following:  
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures

## SECTION 8: Exposure controls/personal protection

for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

| Product/ingredient name      | Type | Exposure              | Value                  | Population         | Effects  |
|------------------------------|------|-----------------------|------------------------|--------------------|----------|
| benzyl alcohol               | DNEL | Long term Oral        | 4 mg/kg bw/day         | General population | Systemic |
|                              | DNEL | Long term Dermal      | 4 mg/kg bw/day         | General population | Systemic |
|                              | DNEL | Long term Inhalation  | 5.4 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Long term Dermal      | 8 mg/kg bw/day         | Workers            | Systemic |
|                              | DNEL | Short term Oral       | 20 mg/kg bw/day        | General population | Systemic |
|                              | DNEL | Short term Dermal     | 20 mg/kg bw/day        | General population | Systemic |
|                              | DNEL | Long term Inhalation  | 22 mg/m <sup>3</sup>   | Workers            | Systemic |
|                              | DNEL | Short term Inhalation | 27 mg/m <sup>3</sup>   | General population | Systemic |
|                              | DNEL | Short term Dermal     | 40 mg/kg bw/day        | Workers            | Systemic |
|                              | DNEL | Short term Inhalation | 110 mg/m <sup>3</sup>  | Workers            | Systemic |
| 2-piperazin-1-ylethylamine   | DNEL | Long term Inhalation  | 15 µg/m <sup>3</sup>   | Workers            | Local    |
|                              | DNEL | Short term Inhalation | 80 µg/m <sup>3</sup>   | Workers            | Local    |
|                              | DNEL | Long term Dermal      | 3.33 mg/kg bw/day      | Workers            | Systemic |
|                              | DNEL | Short term Inhalation | 10.6 mg/m <sup>3</sup> | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 10.6 mg/m <sup>3</sup> | Workers            | Systemic |
| 3-aminopropyltriethoxysilane | DNEL | Long term Oral        | 1 mg/kg bw/day         | General population | Systemic |
|                              | DNEL | Long term Dermal      | 1 mg/kg bw/day         | General population | Systemic |
|                              | DNEL | Long term Dermal      | 2 mg/kg bw/day         | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 3.5 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Long term Inhalation  | 14 mg/m <sup>3</sup>   | Workers            | Systemic |
| 2,2'-iminodiethylamine       | DNEL | Long term Inhalation  | 0.87 mg/m <sup>3</sup> | Workers            | Local    |
|                              | DNEL | Long term Dermal      | 1.1 mg/cm <sup>2</sup> | Workers            | Local    |
|                              | DNEL | Short term Inhalation | 2.6 mg/m <sup>3</sup>  | Workers            | Local    |
|                              | DNEL | Long term Inhalation  | 4.6 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Short term Dermal     | 4.88 mg/kg bw/day      | General population | Systemic |
|                              | DNEL | Long term Dermal      | 4.88 mg/kg bw/day      | General population | Systemic |
|                              | DNEL | Long term Dermal      | 11.4 mg/kg bw/day      | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 15.4 mg/m <sup>3</sup> | Workers            | Systemic |
|                              | DNEL | Short term Inhalation | 27.5 mg/m <sup>3</sup> | General population | Systemic |

## SECTION 8: Exposure controls/personal protection

|  |      |                          |                        |         |          |
|--|------|--------------------------|------------------------|---------|----------|
|  | DNEL | Short term<br>Inhalation | 92.1 mg/m <sup>3</sup> | Workers | Systemic |
|--|------|--------------------------|------------------------|---------|----------|

### PNECs

No PNECs available

## 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.  
**Colour** : Clear.  
**Odour** : Pungent.  
**Odour threshold** : Not available.  
**Melting point/freezing point** : Not available.

PlasticWeld™ Syringe - Part B

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range : >100°C (>212°F)

Flammability : Not available.

Lower and upper explosion limit : Not available.

Flash point : Closed cup: >93.3°C (>199.9°F)

Auto-ignition temperature :

| Ingredient name  | °C     | °F    | Method  |
|--|--------|-------|---------|
| Propylidynetrimethanol, propoxylated, reaction products with ammonia | 320    | 608   | EU A.15 |
| 2-piperazin-1-ylethylamine   | >300   | >572  |         |
| 3,6-diazaoctanethylenediamin   | 337.78 | 640   |         |
| 2,2'-iminodiethylamine   | 358    | 676.4 |         |
| 2-(2-aminoethylamino)ethanol   | 368    | 694.4 |         |
| benzyl alcohol   | 436    | 816.8 |         |

Decomposition temperature : Not available.

pH : Not available.

Viscosity : Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/ water : Not applicable.

Vapour pressure :

| Ingredient name  | Vapour Pressure at 20°C |         |        | Vapour pressure at 50°C |     |        |
|--|-------------------------|---------|--------|-------------------------|-----|--------|
|  | mm Hg                   | kPa     | Method | mm Hg                   | kPa | Method |
| Propylidynetrimethanol, propoxylated, reaction products with ammonia | 5.12                    | 0.68    | EU A.4 |                         |     |        |
| N,N,N',N'-tetramethyl-2,2'-oxybis (ethylamine)                       | 0.36753                 | 0.049   |        |                         |     |        |
| 2,2'-iminodiethylamine   | 0.16                    | 0.021   |        |                         |     |        |
| 2,2-Diethoxy-1-[3-(triethoxysilyl) propyl]-1,2-azasilolidine         | <0.1                    | <0.013  |        |                         |     |        |
| benzyl alcohol   | 0.05                    | 0.0067  |        |                         |     |        |
| 2-piperazin-1-ylethylamine   | 0.039                   | 0.0052  |        |                         |     |        |
| 2-(2-aminoethylamino)ethanol   | 0.009                   | 0.0012  |        |                         |     |        |
| 3,6-diazaoctanethylenediamin   | <0.0098                 | <0.0013 |        |                         |     |        |

Relative density : 1.1 to 1.2

Vapour density : Not available.

Particle characteristics

Median particle size : Not applicable.

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available.

Oxidising properties : Not available.

9.2.2 Other safety characteristics

Miscible with water : No.

PlasticWeld™ Syringe - Part B

SECTION 10: Stability and reactivity

- 10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability : The product is stable.
- 10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid : No specific data.
- 10.5 Incompatible materials : No specific data.
- 10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| Product/ingredient name      | Result      | Species | Dose       | Exposure |
|------------------------------|-------------|---------|------------|----------|
| benzyl alcohol               | LD50 Dermal | Rabbit  | 2000 mg/kg | -        |
|                              | LD50 Oral   | Rat     | 1230 mg/kg | -        |
| 3,6-diazaoctanethylenediamin | LD50 Dermal | Rabbit  | 805 mg/kg  | -        |
|                              | LD50 Oral   | Rat     | 2500 mg/kg | -        |
| 3-aminopropyltriethoxysilane | LD50 Dermal | Rabbit  | 4.29 g/kg  | -        |
|                              | LD50 Oral   | Rat     | 1.57 g/kg  | -        |
| 2,2'-iminodiethylamine       | LD50 Dermal | Rabbit  | 1090 mg/kg | -        |
|                              | LD50 Oral   | Rat     | 1080 mg/kg | -        |

Conclusion/Summary : Not available.

Acute toxicity estimates

| Product/ingredient name      | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| ClearWeld™ Syringe - Part B  | 1395.2       | 1815.4         | N/A                      | N/A                         | 2.7                                 |
| benzyl alcohol               | 1230         | 2000           | N/A                      | N/A                         | 1.5                                 |
| 2-piperazin-1-ylethylamine   | 500          | 1100           | N/A                      | N/A                         | N/A                                 |
| 3,6-diazaoctanethylenediamin | 2500         | 805            | N/A                      | N/A                         | N/A                                 |
| 3-aminopropyltriethoxysilane | 1570         | 4290           | N/A                      | N/A                         | N/A                                 |
| 2,2'-iminodiethylamine       | 1080         | 1090           | N/A                      | N/A                         | N/A                                 |

Irritation/Corrosion

| Product/ingredient name      | Result                   | Species | Score | Exposure        | Observation |
|------------------------------|--------------------------|---------|-------|-----------------|-------------|
| benzyl alcohol               | Skin - Mild irritant     | Man     | -     | 48 hours 16 mg  | -           |
|                              | Skin - Moderate irritant | Pig     | -     | 100 %           | -           |
|                              | Skin - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
| 2-piperazin-1-ylethylamine   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
|                              | Skin - Severe irritant   | Rabbit  | -     | 24 hours 5 mg   | -           |
|                              | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
| 3,6-diazaoctanethylenediamin | Eyes - Severe irritant   | Rabbit  | -     | 49 mg           | -           |
|                              | Skin - Severe irritant   | Rabbit  | -     | 490 mg          | -           |
|                              | Skin - Severe irritant   | Rabbit  | -     | 24 hours 5      | -           |

## SECTION 11: Toxicological information

|                              |                          |        |   |                 |   |
|------------------------------|--------------------------|--------|---|-----------------|---|
| 3-aminopropyltriethoxysilane | Eyes - Mild irritant     | Rabbit | - | mg              | - |
|                              | Eyes - Severe irritant   | Rabbit | - | 100 mg          | - |
|                              |                          |        |   | 24 hours 750 ug | - |
| 2,2'-iminodiethylamine       | Skin - Severe irritant   | Rabbit | - | 24 hours 5 mg   | - |
|                              | Skin - Moderate irritant | Rabbit | - | 500 mg          | - |
|                              |                          |        |   |                 |   |

**Conclusion/Summary** : Not available.

### Sensitisation

**Conclusion/Summary** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Harmful if inhaled.

**Skin contact** : Causes severe burns. Harmful in contact with skin. May cause an allergic skin reaction.

**Ingestion** : Harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.



PlasticWeld™ Syringe - Part B

SECTION 11: Toxicological information

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Not available.

**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name      | Result                              | Species                           | Exposure |
|------------------------------|-------------------------------------|-----------------------------------|----------|
| benzyl alcohol               | Acute LC50 10 ppm Fresh water       | Fish - <i>Lepomis macrochirus</i> | 96 hours |
| 2-piperazin-1-ylethylamine   | Acute LC50 2190000 µg/l Fresh water | Fish - <i>Pimephales promelas</i> | 96 hours |
| 3,6-diazaoctanethylenediamin | Acute LC50 33900 µg/l Fresh water   | Daphnia - <i>Daphnia magna</i>    | 48 hours |
| 2,2'-iminodiethylamine       | Acute LC50 53500 µg/l Fresh water   | Daphnia - <i>Daphnia magna</i>    | 48 hours |
|                              | Acute LC50 1014000 µg/l Fresh water | Fish - <i>Poecilia reticulata</i> | 96 hours |

**Conclusion/Summary** : Not available.

12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

12.3 Bioaccumulative potential

| Product/ingredient name      | LogP <sub>ow</sub> | BCF        | Potential |
|------------------------------|--------------------|------------|-----------|
| benzyl alcohol               | 0.87               | -          | Low       |
| 2-piperazin-1-ylethylamine   | -1.48              | -          | Low       |
| 3,6-diazaoctanethylenediamin | -1.66 to -1.4      | -          | Low       |
| 3-aminopropyltriethoxysilane | 1.7                | 3.4        | Low       |
| 2,2'-iminodiethylamine       | -5.58              | 2.8 to 6.3 | Low       |

12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

PlasticWeld™ Syringe - Part B

SECTION 12: Ecological information

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID        | ADN   | IMDG           | IATA           |
|---------------------------------|----------------|---|----------------|----------------|
| 14.1 UN number or ID number     | Not available. | 9006  | Not available. | Not available. |
| 14.2 UN proper shipping name    | Not available. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | Not available. | Not available. |
| 14.3 Transport hazard class(es) | Not available. | 9   | Not available. | Not available. |
| 14.4 Packing group              | -              | -   | -              | -              |
| 14.5 Environmental hazards      | No.            | Yes.  | No.            | No.            |

Additional information

**ADN** : The product is only regulated as a dangerous good when transported in tank vessels.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

PlasticWeld™ Syringe - Part B

SECTION 14: Transport information

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorisation](#)

[Annex XIV](#)

None of the components are listed.

[Substances of very high concern](#)

None of the components are listed.

[Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles](#)

| Product/ingredient name     | %   | Designation [Usage] |
|-----------------------------|-----|---------------------|
| ClearWeld™ Syringe - Part B | ≥90 | 3                   |

Labelling : Not applicable.

[Other EU regulations](#)

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

[Ozone depleting substances \(1005/2009/EU\)](#)

Not listed.

[Prior Informed Consent \(PIC\) \(649/2012/EU\)](#)

Not listed.

[Persistent Organic Pollutants](#)

Not listed.

[Seveso Directive](#)

This product is not controlled under the Seveso Directive.

[International regulations](#)

[Chemical Weapon Convention List Schedules I, II & III Chemicals](#)

Not listed.

[Montreal Protocol](#)

Not listed.

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

[Rotterdam Convention on Prior Informed Consent \(PIC\)](#)

Not listed.

[UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

## SECTION 15: Regulatory information

### Inventory list

|                                |  |
|--------------------------------|--|
| <b>Australia</b>               | : All components are listed or exempted.   |
| <b>Canada</b>                  | : All components are listed or exempted.   |
| <b>China</b>                   | : All components are listed or exempted.   |
| <b>Eurasian Economic Union</b> | : <b>Russian Federation inventory</b> : All components are listed or exempted.                       |
| <b>Japan</b>                   | : <b>Japan inventory (CSCL)</b> : Not determined.<br><b>Japan inventory (ISHL)</b> : Not determined. |
| <b>New Zealand</b>             | : All components are listed or exempted.   |
| <b>Philippines</b>             | : All components are listed or exempted.   |
| <b>Republic of Korea</b>       | : All components are listed or exempted.   |
| <b>Taiwan</b>                  | : All components are listed or exempted.   |
| <b>Thailand</b>                | : All components are listed or exempted.   |
| <b>Turkey</b>                  | : All components are listed or exempted.   |
| <b>United States</b>           | : All components are listed or exempted.   |
| <b>Viet Nam</b>                | : All components are listed or exempted.   |

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification          | Justification      |
|-------------------------|--------------------|
| Acute Tox. 4, H302      | Calculation method |
| Acute Tox. 4, H312      | Calculation method |
| Acute Tox. 4, H332      | Calculation method |
| Skin Corr. 1B, H314     | Calculation method |
| Eye Irrit. 2, H319      | Calculation method |
| Skin Sens. 1, H317      | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |

### Full text of abbreviated H statements

|      |  |
|------|--|
| H302 | Harmful if swallowed.                              |
| H311 | Toxic in contact with skin.                        |
| H312 | Harmful in contact with skin.                      |
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H332 | Harmful if inhaled.                                |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

### Full text of classifications [CLP/GHS]

PlasticWeld™ Syringe - Part B

SECTION 16: Other information

|                   |   |
|-------------------|---|
| Acute Tox. 3      | ACUTE TOXICITY - Category 3                     |
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                     |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| Eye Irrit. 2      | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  |
| Skin Corr. 1B     | SKIN CORROSION/IRRITATION - Category 1B         |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2          |
| Skin Sens. 1      | SKIN SENSITISATION - Category 1                 |

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